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DESCRIPTIVE ABSTRACT

The present invention relates to an electronic system operating under irradiation and to a process for designing such a system making it possible to determine a first group (21) of components with high integration and vulnerability intended to be selectively protected by a shield (22), the remainder of the components (20) not benefiting from such a protection.

One application of the process is for an electronic control system of a mobile robot able to function in the presence of ionizing radiation (typically gamma radiation).

(Fig. 2)